

## PROFESSOR W. K. LEWIS LEAVES FOR FRANCE

Technology Professor Goes to  
Allied Center for Purpose of  
Chemical Warfare Investigation

### WILL RETURN TO TECHNOLOGY

Professor Warren K. Lewis, for several years connected with the chemical department of the Institute, has been stationed at Washington in the Chemical Warfare Service, and was there given charge of all defense problems. He has now been given orders to go on to France, and there combine his efforts with those of our allied chemical forces. Prof. Lewis will be located somewhere in France, where the Allied nations have assembled in order to form a coalition having complete charge of this work.

The work of Dr. Lewis has been very important. His part has been to take samples of the gasses used by us and by the enemy, and develop ointments for protection against blistering action of the gasses. Not only ointments, but also protective clothing must also be taken up by his department. This is just the beginning of the great number of things that must all be taken care of here.

The Chemical Warfare Department is divided into two general departments, the Offensive, and the Defensive. The Offensive Research Department is given a substance, either a sample of something used by the enemy or our allies, or some new substance just thought up, and this they try to reproduce. The results are then sent on to the Toxicological Section, where it is experimented with in order to determine just how poisonous it really is. When the substance has gone this far, and is found to be truly worthy of the Germans, it is then passed on to the Production Department, where it is then made on an a very much larger scale and made ready to ship across.

As soon as a new substance has been sent, samples are sent to the Pathological Research Section, where the effects on the different organs are noted. Another sample is sent to the Therapeutic Section, where methods are found of treating men who have been more or less severely gassed.

All this means a great amount of work for every man, and the men in the service are not there in order to fill a soft job, but for the sole reason of serving their country. Of these men, Dr. Lewis rates among the highest, for he has not enlisted in the service, and taken a commission, as he might easily have done, purely out of loyalty to Technology. He feels that the minute that he is not needed there, he surely is needed here, and will be ready to come back on the job.

### NEW \$200,000,000 CREDIT IS EXTENDED TO FRANCE

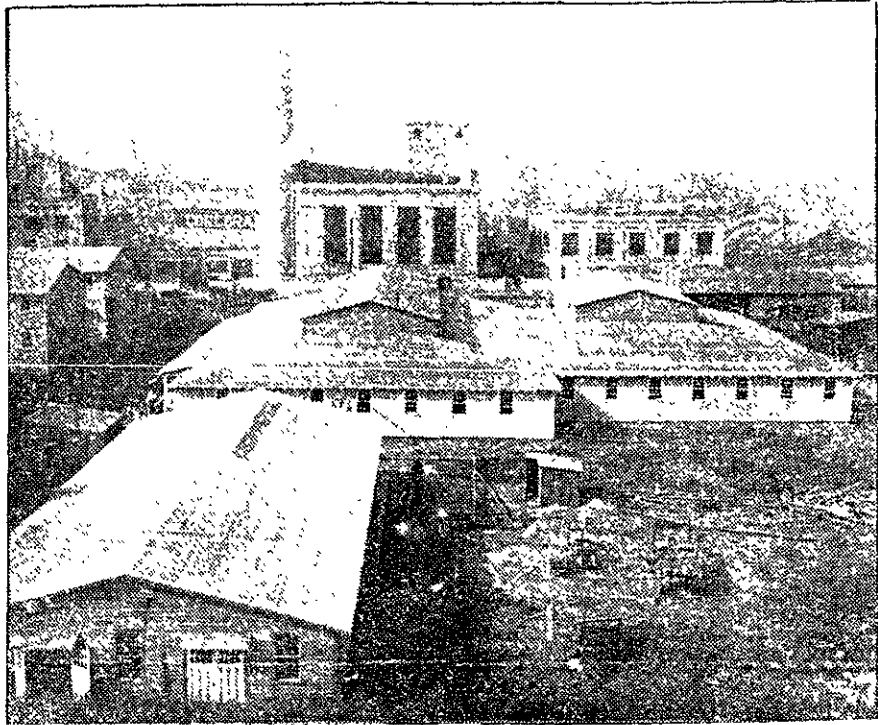
The Treasury Department has extended an additional credit of \$200,000,000 to France, making the total to that country \$2,065,000,000, and the total to all co-belligerents of the United States \$6,692,040,000.

U. S. S. Alabama forwards this thought. Put it to work:  
"If you can take one drink, smoke one cigar,  
Go to one show before you buy a bond,  
You may not think you're yellow, but you are!  
You're yellow, an' the Kaiser's got you conned.  
You better square yourself damned quick old man:  
Buy till it hurts you, all the Bonds you can!"

### NOTICE

It is necessary for a man who was twenty-one years of age before September 12, and who now wishes under the new ruling to enter the S. A. T. C. to have attended the Institute a year previously.

## S. A. T. C. MESS HALL OPEN FOR BUSINESS



THE NEW MESS HALL FOR S. A. T. C. STUDENTS WILL FEED 940 MEN AT ONE TIME. THE ROOM CONTAINS NINETY-FOUR TABLES CAPABLE OF SEATING TEN MEN EACH.

### CHANGE IN FACULTY

Charles T. Main '76 Elected To  
Life Membership

At its last meeting the corporation of the Massachusetts Institute of Technology appointed its committee for the coming school year, made changes in the instructing staff and elected to life membership in its body Charles T. Main '76, of Boston. Mr. Main, who was elected a while ago to be president of the American Society of Mechanical Engineers, the great national engineering organization, is a Marblehead man. After his graduation at the M. I. T. he remained for two or three years as instructor, went thence to the Manchester Mills, N. H., and in 1881 changed his residence to Lawrence, where he became superintendent of the Lower Pacific Mills. In 1892 he established himself as consulting engineer, and is one of the most famous in the country. His large plantings include the Wood Worsted Mills at Lawrence and a hydro-electric development in Montana of 280,000 horsepower. Mr. Main has been made a member of the executive committee of the Corporation in place of Colonel Thomas L. Livermore deceased.

The appointments to the instructing staff include F. P. Emery, professor of English, an instructor of years ago, loaned now for a year by Dartmouth; Herbert H. Palmer, '09, who has come also from Dartmouth, instructor in Physics; C. D. Acker and J. M. Hamer, '21, assistants in Civil Engineering; Frans Edvard Hubert Velandier, '18, a graduate of the Royal Institute of Technology, Stockholm, research assistant in Electrical Engineering, and in Chemistry, in its various divisions, Walter T. Hall, '19, Clarence L. Nutting '19, John L. Parsons, '18 and S. G. Simpson, enlisted men, who are furloughed for the purpose of further studies at Tech, and incidentally can be made assistants.

The list of resignations accepted by the corporation is of interest since it shows how greatly the M. I. T. men are in demand in the war aims of the government, and the industries related to war. The list is the following:

Instructor in Chemistry, John B. Dickson, who is captain in the Chemical Warfare Service.

Instructor, Earle P. Stevenson, in Gas Defense research.

Assistants, Roger B. Brown; James F. Maguire, and Alden Nute, C. W. S.

(Continued on Page 4)

### HARVARD-TECHNOLOGY PUBLIC HEALTH SCHOOL OPENED

Good Opportunity Offered Both Men and  
Women

The Harvard-Technology Public Health School has opened its opportunities this year to 21 students, 18 of whom are women. The school offers unusual opportunities to women especially to engage themselves in an interesting and profitable life work. After completing the course, which continues until the first of next January, a graduate is assured of obtaining an immediate position at an initial income of \$1200 per year, which amount will steadily be increased. At present the government has the greatest need of hospital laboratory technicians, a demand which these women graduates will help to supply. year, the government has the greatest need of hospital laboratory technicians, a demand which these women graduates will help to supply.

The Service also needs officers in the Sanitary Corps. For those interested, it is well to mention the admirable opportunity which men specialists in this line have of obtaining a commission in the Army, overseas and at home.

Professor Sedgwick says that when the present war has come to an end, methods of public health will suffer a radical change. He states that the war has turned the eyes of all to the necessity of an efficient system of sanitation and public health, and that those who are highly trained specialists in this line will then be in extraordinary demand and ought to make a brilliant success of life by following this profession.

### PROF. SPEAR GIVING LECTURE

Professor Ellwood B. Spear of the Department of Chemistry is this season giving an illustrated lecture on "Some of the Problems of Gas Warfare," a subject just now especially interesting to scientist and layman alike. The address will be given for the first time at the Brooklyn Institute of Arts and Sciences on the evening of Saturday, October 19. Much of the material presented will be first hand experience since Professor Spear, as Consulting Expert to the Bureau of Mines, has dealt with problems of both defense and offense, including gas masks and mustard gas.

Secretary Daniels says the NAVY put the Army across. Now let the NAVY come across with Bonds and then more Bonds.

The following letters concerning Chemical Deposit are self-explanatory:

From: Commanding Officer, Naval Unit, M. I. T.

To: Commandant, First Naval District.

Subject: "Reimbursement for Expenditures Made by Men at This Institution, Who Take Chemical Courses."

1. Information is requested as to whether the Navy Department will reimburse certain students at this institution, who are taking chemical courses, for which they are required to make a deposit to cover possible breakage.

2. It is understood that the Army Students do not personally have to pay this deposit.

(Signed) L. M. LITTLE,  
Acting.

From: Commandant, First Naval District.

To: Commanding Officer, Naval Unit, M. I. T.

1. Returned. Under existing instructions the Navy Department makes no allowance beyond the amount stated in the Army contract. If the Army is to pay for breakages, these breakages will doubtless be included in the Army contract. If the Institute requires a deposit, it will have to be paid by the students themselves.

(Signed) SPENCER S. WOOD,  
Rear Admiral, U. S. N.

## CAPT. ROUEFEUILLE

Inspects Technology's War Education Work

It was a dignified presentation of the Institute that was given to Captain Rouefeuille of the French warship "Montcalm," who came with the resident French consul, M. Flammand to see for himself what Technology is doing in war education work. It was Dr. Sedgwick who arranged the little occasion, calling on the Institute reserves in French-speaking individuals to help explain more accurately the special features of construction and laboratories. For this service Professor Langley and Mr. Ritchie were requisitioned while Professor Kennelly, who by the way on his ocean voyage across formed a school in French of the Army officers headed for the front, escaped the draft by absence from town. The Institute was represented officially by Messrs. Humphreys and Burton. Dr. Sedgwick was host, while the Naval officers were Lieutenant Little, commanding officer of the Navy section of the S. A. T. C. and Lieutenant O'Neil in charge of Naval enrollment at Tech. At the entrance to the department of Naval Architecture Professor Hovgaard met the company gracefully addressing Captain Rouefeuille in his native tongue, while Professor Owen replaced him for the general inspection of the department. For the inspection of the special work of the Naval Constructors Lieutenant Tower was the added special guide while Lieutenant Humphreys conducted the party through the rooms devoted to the Aeronautical Engineers.

Returning to the Administration Building the party visited the library, paid a formal visit to Major Cole and returning to the President's room was joined by Professor Peabody, who (till then had been in the lecture room of his department. In the late afternoon Captain Rouefeuille together with Admiral Wood reviewed the Naval Aviation Detachment.

The Captain, who speaks English with facility and who understands it admirably, expressed himself as much surprised at the high quality of the training at the Institute, although the fame of the school is indeed very great in his home country.

## TEN MEN CHOSEN FOR O.T.C. LEFT YESTERDAY

S. A. T. C. Men Sent to Fortress  
Monroe For Heavy Coast  
Artillery Training Took Sur-  
veying Test

### KITTRIDGE IN CHARGE

At noon yesterday the first detachment of men to leave the S. A. T. C. made its exit. Ten men left for the Officers' Training Camp at Fortress Monroe to be trained for heavy artillery officers. They were: Francis B. Kittridge (in charge), Algon W. Burke, Chauncey A. Dutton, Willard A. Fleming, Harold T. Reddish, Warren A. Waterman, Jr., Leland D. Wilson, Clarence Syner, Alfred Lockley and Edwin D. Ryer.

On Thursday, the seventeenth, a competitive examination in surveying was held on the S. A. T. C. drill field. Of the twenty-four that tried out, these ten were chosen. They have all had surveying and mathematics. Yesterday at ten o'clock they received their transportation and other instructions from Captain Keveny. These men have the distinction of being the first men to "graduate" from the Student Army Training Corps at Technology to an Officers' Training Camp.

### PROF. VOGEL ACTIVE PLANNER FOR LIBERTY LOAN SALES

Heads Americans of German Origin  
In Drive

The most active of the planners for the sale of Liberty Bonds at Technology is Professor Frank Vogel, head of the department of Modern Languages. As the head of the New England Committee of Americans of German Ancestry, he has been using his brains and his strength to fight for the principles of Democracy. He has developed the very active auto campaign that is to bring the rest of New England up to the standard of Boston, in which already this committee has sold more than two million dollars' worth of bonds. The whirlwind tours have already been conducted throughout the entire west-day) the tour is through Lowell to Manchester, Nashua, and on Friday it will include Providence, New Bedford and Fall River.

The following statement was sent out yesterday by Professor Vogel to Americans of German ancestry:

"As loyal American citizens you are deeply interested in the welfare of your family, city and country. People of our ancestry have always in the past history of our glorious republic been ready to give their heart's blood, when needed, that this free and independent government might not vanish from the earth. Men of German ancestry have helped in every battle that the United States has ever fought. Their glorious names brighten the pages of our history.

"Enroll your names as one who will make a small financial sacrifice, if need be, by buying as many Fighting Fourth Liberty bonds as you can possibly afford."

Professor Vogel has his son in the Naval Aviation Detachment at Technology Frank Chaffee Vogel, who was a '21 student and now has gone directly into service.

The Proudest Sight for an American Soul is to See His Name on the Honor Roll. Buy Your Bond!—Capt. F. W. Bartlett, Insp. of Engineering Material, Philadelphia, Pa.

A contented soldier makes a better fighter. An oversubscription to the Fighting Fourth Liberty Loan will act as a wonderful tonic on our boys in France. Have you your bond yet?

Your duty is not done when you have subscribed Once. Subscribe Again and make the second bigger than the first.

# The Tech

Established 1881

Published twice a week throughout the year by the students of the  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Entered as second-class matter, September 16, 1911, at the Post Office at Boston, Mass., under the act of Congress of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on July 19, 1918.

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Subscription \$1.50 for 53 issues, in advance. Single copies three cents. Subscriptions within the Boston Postal District or outside the United States must be accompanied by postage at the rate of one cent a copy. Issues mailed to all other points without extra charge.

Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. THE TECH assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

## IN CHARGE OF THIS ISSUE

EDWARD ALLAN ASH ..... Asst. Night Editor

SATURDAY, OCTOBER 19, 1918

## NEEDED A COMPANY FUND

THE men in every company would do well to organize a company fund to be raised by a reasonable tax. If such a plan purchase sheet music. Company sings from time to time during the spare hours would go a long way toward brightening up life in the barracks. A magazine shelf maintained with such a fund might be desirable.

## REGARDING THE S. A. T. C.

MANY people do not realize that the boys who enter the S. A. T. C. are really in the government service, as much so as any of the men in the training camps.

Did you know that—

These men get liberty but once a week?

These men receive thirty dollars a month, if in the army branch, thirty-two if in the navy branch?

Their clothing is all issued them by the government?

They are placed in standard wooden barracks, the same as those in any training camp?

In all ways there is no difference between these men and those in any other army encampment. Do not labor under the impression that they have "soft" jobs. They have not.

## GET TO WORK

IT is high time to get down seriously to work. Extended vacations and loafing are all over, and we are here being paid by Uncle Sam to get an education and it is just as much our duty to do that as to learn to drill. Also, it will be harder than ever before for the man who falls behind in his work because there will be no opportunity to sit up all night and "cram" at the end of the course.

## "MUD POUNDERS" VS. "GOBS"

FOOTBALL practice has been started by both Army and Navy units at Technology, and we ought to see some pretty good games this fall. The Army unit is larger than the Navy, that's true, but as the "Gobs" proclaim that one "Gob" is worth three "Mud Pounders" it's up to them to show it.

So go to it both sides, and may the best one win!

## R. O. T. C. UNIFORMS

TO turn out at 5:45 in the "wee sma' hours" is pretty hard lines, when it seems to be about 'steen degrees below, and all you have on is a thin khaki uniform. But why be cold when you can be warm, say we. Send home for your old O. D. R. O. T. C. uniforms, and wear them till the government issues their O.D's.

Uncle Sam has to issue O. D. uniforms to about 400 other S. A. T. C. units in as many other colleges, so it will be quite a while till he gets around to you. So be sensible (also warm), and send home for your old R. O. T. C. uniforms.

## LEARN THE WAY TO THE LOUNGE

Many men in the S. A. T. C. have not yet found their way to THE TECH Lounging Room. It is located in the Stone and Webster building opposite the Receiving ship in the left hand end.

## PERSONALS

While soldiers are frequently cited for distinguished valor or other meritorious service on the battlefield, it is not common for an officer to receive praise in general orders for efficiency in executive departments.

Such honor has fallen, however, to LT. PAUL H. TAYLOR '15, of Wakefield, who is with the Headquarters of the A. E. F. in France. Recent general orders stated that "all artillery commanders, supply officers and division ordnance officers speak in highest terms of Lt. Taylor's work in the mobile repair department."

Lt. Taylor is a Technology man, class of 1915, the son of Maj. and Mrs. George H. Taylor, and one of the first young men of his town to try for a commission. His father is a leading business man and property owner in Wakefield.

RICHARD VAN A. HUBBELL '20, in the American Ambulance Service, has been reported slightly wounded.

From the list of men of the Class of '19, to whom degrees have been awarded, there was omitted the name of PAUL WOODBURY BLYE, VI, of Haverhill. Mr. Blye was among the first in the course in point of marks. There yet remain a few students, mainly in the radio engineering group, who not having finished the work at the time of the last Faculty meeting were not given degrees.

JOHN T. BAUER, JR., '15 was kept out of active service on account of his eyes, and has gone into radio work, where the physical requirements are not so exacting. His address is now 298th Aero Provisional Service Squadron, Carnegie Tech, Pittsburgh.

News of the engagement of Miss Florence Hoover of Salisbury road, Brookline, was taken by her friends this week to explain her activity in matters pertaining to the comfort of men in the service. She gave out more than 1000 soldier and sailor "Going-My-Way" labels and worked untiringly when the 101st infantry held their big drive for \$100,000.

It became known this week that she is engaged to Herbert Geyer of Philadelphia, now a cadet officer at the M. I. T. naval school. The couple met about a year ago.

Mrs. Katherine Boudreau, 437 Salem street, Malden, Mass., announces the engagement of her daughter, Blanche, to Edward J. Courtois of Franklin, N. H. No date has been arranged for the wedding. Mr. Courtois is studying with the tank unit at the Institute.

Mr. Courtois entered the service in August, 1917. Miss Boudreau is a graduate of the Malden Commercial School and is employed as a bookkeeper for D. Whiting & Sons.

## OUTSTANDING FEATURES OF THE FOURTH LIBERTY LOAN

The amount of the fourth Liberty Loan will be \$6,000,000,000 the rate of interest 4 1-4 per cent, and the bonds will mature October 15, 1938, but will be redeemable at the pleasure of the United States at par and accrued interest on and after October 15, 1923.

The campaign opened September 28 and closed October 19, 1918, and all subscriptions must be filed on or before the latter date, accompanied by an initial payment of 10 per cent. Subscribers are given the privilege of paying in full for their subscription without rebate of interest at the time of application.

Quotas assigned to the several Federal reserve districts are as follows:

	Per Cent.	
Boston .....	8.33 1-3	\$500,000,000
New York .....	30.00	1,800,000,000
Philadelphia .....	8.33 1-3	500,000,000
Cleveland .....	10.00	600,000,000
Richmond .....	4.00 2-3	280,000,000
Atlanta .....	3.20	192,000,000
Chicago .....	14.50	870,000,000
St. Louis .....	4.33 1-3	260,000,000
Minneapolis .....	2.50	210,000,000
Kansas City .....	4.33 1-3	260,000,000
Dallas .....	2.10	126,000,000
San Francisco .....	6.70	402,000,000
	100.00	\$6,000,000,000

In allotting these quotas the Treasury Department has taken into account the conditions existing in various parts of the country, as well as the banking resources.

## WHAT "AMERICA'S ANSWER" MEANS

THE TECH has been asked by the Committee on Public Information to publish the following article concerning "America's Answer":

"America's Answer," the U. S. Official War Picture issued by the Division of Films, of the Committee on Public Information, is not the ordinary press-agented film play. It is a chapter of the great drama of the war, registered by U. S. Signal Corps photographers, by direction of General John J. Pershing. It is purely a Government enterprise. No individual has any profit interest in the production. The picture has been made and it is presented for public consideration, not to make money—although it must necessarily produce a revenue in order to meet the expense involved—but in order to show the millions of contributors to the several Liberty Loans, the purchasers of Thrift and War Stamps, Taxpayers, and those who have so generously given in other ways for the needs of the war, just how the great sums have been expended and what, in a physical way, has been accomplished in France during the first year of America's participation in the struggle for Democracy.

It shows the wonderful 3-mile dock "Somewhere in France," built on swamp land by American soldiers, and now being used to expedite the landing of our troops and the handling of the stupendous volume of supplies with which the sea from the United States to the coast of France is being bridged; it shows one of the mammoth refrigerator plants established behind the lines, a great plant with a capacity for 10,000,000 pounds of meat, and capable of producing a million pounds of ice daily; it shows the assembling of American locomotives by our soldier mechanics; the building of railways, the leveling of French forests to secure needed timber; the erection of hospitals and the building of a great dam in order to create a reservoir to supply one of the largest hospitals with water; it shows how American soldiers line in camp and on the fighting lines; what they eat, how the daily tons upon tons of bread is made, how the worn clothing is renovated and repaired by French women in the service of the American army; the utilization of old hats and old shoes in a wonderful salvage department; the sanitation of the soldiers' uniforms by machinery; the endless stream of the trucks used to transport supplies to the front; camouflaged guns, the acres of shells and other ammunition, the American Aero Squadron, and, finally, the actual fighting, in which American soldiers have brought undying fame upon themselves and their country.

"America's Answer" is a picture that every American and every near American should see; it is one's duty, but also one's privilege to see it. The Government's Division of Films has done no better work for the stimulation of loyalty and the accentuation of the spirit of giving than the assembling and presentation of this most illuminating war film. Every motion theatre should show it. Every man, woman and child in the city should see it, or if it has not been booked here, they should insist on being given an opportunity to see it.

## INCREASE IN COAL MINING

More coal was mined from April 1 to Sept. 30 than ever before.

This record, the fuel administration announced Saturday, was established in the face of many handicaps, chief of which was shortage of help.

Bituminous tonnage produced was 311,216,000, or 12 per cent more than was turned out in the corresponding period last year, regarded then as a top mark. Anthracite production was 51,651,000 tons, an increase of 2.1 per cent.

## MECHANICS BUILDING FOR TUFTS BARRACKS

One Thousand From Training Corps Will Live There

Mechanics Building will be transformed into a barracks for the accommodation of 1,000 students of the Tufts Students' Army Training Corps. Under the roof of this spacious building will be the living quarters of the young men, the mess hall and the Y. M. C. A. The students who will be quartered at the Huntington Avenue building are from the medical, dental and pre-medical schools in Boston.

For the accommodation of the 200 students studying at Tufts in Medford, East, West, Dean and Paige Halls will be used as barracks. Curtis Hall will be enlarged for kitchen purposes, a post-exchange will be opened in the Barnum Museum and Goddard gymnasium will be used by the Y. M. C. A. secretary.

Maj. Milton S. Bowman, whose headquarters will be at Packard Hall, will command the unit. The Rev. Mark Moller, who has been a Y. M. C. A. secretary at the Newport Naval Station, will be transferred to Tufts.

Military and academic instruction will commence at once in all departments.

With a wormy heart for a bull's eye, the boys at the Supply Depot, 3rd Naval District, have been shooting at the Kaiser with Liberty Bonds. The contest was started by Ensign A. D. Leveridge, Pay Corp., U. S. N. The best cartoonist of the Depot patterned an effigy of the Kaiser; the carpenter shop fashioned it out of wood. The bugle and the drum corps heralded contestants and suitably followed results of every throw. A \$50 bond entitled the buyer to shoot at the wormy heart, and every additional bond bought another chance. They riddled the Kaiser's wormy heart, and had a good sporting contest. All those who hit the bull's eye were allowed to contest at some form of athletics in view of the battalion during a drill period. And the Liberty Loan Honor Roll grew and grew.

We will win the war by sacrifice—and only by sacrifice. This is the word of the Secretary of the Navy. What's the answer? Shall we sacrifice, or—? All right. Begin now. It's an easy sort of sacrifice that calls for all money back with interest. The more you hurt yourself by subscribing now, the better off you will be when Germany is whipped, and the sooner happy days will come.

We're Fighting to Buy, and Buy to Fight—Morton Weil, Yen.

JUST as made-by Morse uniforms for cadets, officers, and men in every branch of the service rank first in approval, so do Morse civilian clothes hold first place in the opinion of young men who appreciate quality at a fair price.

A perfectly logical thing you see, for we have been making and selling both for sixty-six years.

WASHINGTON ST.,  
Cor. BRATTLE

*Leopold Morse*

BOSTON  
MASS.

Established 1852



**MRS. DEWEY SUBSCRIBES TWICE**

Mrs. George Dewey is twice a subscriber to the Navy's Fourth Liberty Loan.

After she had bought two one-thousand-dollar bonds, she asked Secretary Daniels to purchase five more. Today Admiral Cowie, Navy Liberty Loan Officer, delivered the additional bonds.

A message from Secretary Daniels to all the Navy flashed to every Navy man the story of what Mrs. Dewey had done. The message reads:

"Mr. George Dewey has joined hands with the Navy in the Fourth Liberty Loan and has now bought through the Navy seven one thousand dollar bonds. This is a token of our union with a glorious past which we should transmute into a glorious present. Let us respond as the Navy has responded from the beginning to the tradition which Admiral George Dewey made a part of all American life and especially a part of the Navy. Let this gift cause all in the Navy to dedicate what we can in Liberty Bonds."

Mrs. Dewey's letter especially requested that she be counted among Navy subscribers. She wrote to Secretary Daniels:

"As I know that the danger of anxiety of conveying the soldiers across the seas is the duty of the Navy, and upon successfully accomplishing this depends our eventual success, I beg you to buy for me five one thousand dollar bonds. (Liberty Bonds, Fourth Issue), and let my purchase count among Navy subscriptions, as well as the two thousand dollars already bought from the Bureau of Supplies and Accounts. I enclose my check for five bonds."

Secretary Daniels accepted the subscription in the name of the Navy. His reply said:

"I wish to express what I know is the feeling of the entire Navy, which holds your distinguished husband in grateful memory, my thanks for your cordial letter which evidences your deep interest in the Navy, the efficiency of which is so largely due to the wise leadership of your distinguished husband."

"Your subscription of \$7,000 to Liberty Bonds is accepted with pleasure, as a portion of the Navy's financial contribution to the carrying on of the war. As you truly say, the Navy is giving its best thought and life to national safety, and these men are also making sacrifices to buy bonds and every one of the 500,000 men in the Navy will be heartened by the knowledge of your comradeship with them and your abiding interest and deep loyalty to the American Navy."

"With appreciation for myself and for all in the service, I am, with sentiments of esteem and high regard,

Sincerely yours,

"JOSEPHUS DANIELS."

Admiral Cowie sent the bonds to Mrs. Dewey with this note:

"The American Navy of today and of all times is looking on as I deliver to you these five one thousand dollar bonds."

"They are worth far more than their face value. With them you help to buy new freedom for the world, but you also buy for the Navy a new store of the old idealism and the fresh courage which triumphed at Manila Bay."

"I send you the warm thanks of the men who are on the seas today and who rejoice to be at your side in the Navy's Fourth Liberty Loan."

**PLANS FOR AFTER-WAR TRADE**

The time is now ripe for more centralized, concerted work on a program of economic reconstruction after the war, says a report made public recently by the Bureau of Foreign and Domestic Commerce, Department of Commerce. It is the first of a series of reports to be issued on this subject and is devoted to the plans under consideration by other countries, especially as they bear on future foreign-trade developments.

"The outstanding fact under observation," states the report, "is the recognition in every land and by all statesmen of the problem called 'economic reconstruction.' But of more immediate importance is the fact that England, France, Italy, Germany, and Austria are making preparations to resume their peaceful economic life, with improved facilities for foreign trade, with a national supervision of the use of natural resources for the benefit of their own citizens, and with assistance from the state."

Attention is called to the achievement of our own Government in preparing for after-war conditions, such as the building and organization of a huge merchant navy backed by large and efficient shipyards and docks, the Webb-Pomeroy export trade act authorizing exporters to combine for export trade, and the leeway in foreign-trade banking now possessed by the Federal Reserve Board and banking system. All told,

there has been a very considerable amount of effective work done looking toward the future, but much remains undone and the Bureau is issuing this analysis of European tendencies as a guide, although calling attention to the fact that each country has its own peculiar problem that it must work out for itself.

"In England," says Mr. Cutler, Chief of the Bureau, in his introduction, "judging from present comments on the work of the Committee on Commercial and Industrial Policy after the War, any present attempt to lay down complete and binding policies regarding the future is now recognized as a waste of effort. What is more important is the assembling of facts, taking the basic step to improve our educational, research, and promotive organizations and contributing to clear thinking as to the questions involved. Sooner or later we must have a definite program in

**CORDAGE and TWINE**

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which work and plans for the future based on known conditions affecting our future may be co-ordinated. I personally feel that the time is now ripe for some more centralized, concerted work to that end."

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Give Liberally and Rate Liberty—Howard E. Johnson, Yeo. 2nd cl., U. S.

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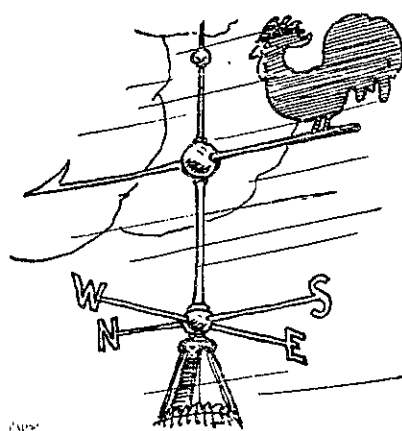
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SUBSCRIPTION.



### CHANGE IN FACULTY

(Continued from Page 1)

Gas Offense; and Alan G. Richards in chemical industry; in Mechanical Engineering, Ralph J. Crosby, ensign in the U. S. N.; in Electrical Engineering, Edwin A. Ekdahl, chief electrician, U. S. N.; in Physics, Royal E. Grand, instructor, now in essential industries; and O. F. Wells, assistant registrar, retired, who is teaching languages in the southern camps. James R. Martin, instructor in Biology is engaged in teaching in the Harvard Medical School; O. E. Plath, instructor in Modern Languages is in the essential zoological research work on the West Coast, while Miss Amy Walker, research assistant in chemistry, is sanitarian in one of the big industrial war plants. Dr. Casimiro Lalua, who has been assistant in Electrochemistry, has completed his special work at the Institute and returns to Spain to resume his chair in the University of Madrid.

Past \$5,000,000 already, the NAVY is soon going to go past six millions. Already the entire subscription to the first loan has been beaten by \$2,000,000. The next thing is to pass the record of the second, and then the record of the third, and then to beat them all with a new record for the fourth.

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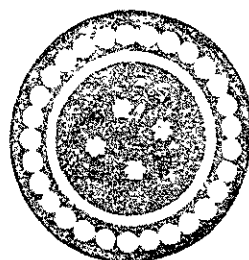
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